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BIENNIAL REPORT
OF THE
Western North Carolina Sanatorium
BLACK MOUNTAIN
AND THE
North Carolina Sanatorium
SANATORIUM



FOR THE TWO YEARS ENDED JUNE 30, 1938

BIENNIAL REPORT
OF THE
Western North Carolina Sanatorium
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AND THE
North Carolina Sanatorium
SANATORIUM



FOR THE TWO YEARS ENDED JUNE 30, 1938

BOARD OF DIRECTORS

MR. L. L. GRAVELY, <i>chairman</i>	Rocky Mount
MR. E. A. RASBERRY, <i>vice-chairman</i>	Snow Hill
MR. R. L. HARRIS, <i>secretary</i>	Roxboro
MR. R. E. FINCH	Black Mountain
MR. ROBERT M. HANES	Winston-Salem
DR. THURMAN D. KITCHIN	Wake Forest
MR. LAURIE MCEACHERN	Raeford
DR. J. W. MCGEEHEE	Reidsville
MRS. MAX T. PAYNE	Greensboro
DR. CARL V. REYNOLDS	Raleigh
MR. U. L. SPENCE	Carthage
DR. M. L. STEVENS	Asheville
DR. LESTER P. MARTIN	Mocksville

PERSONNEL

NORTH CAROLINA SANATORIUM

P. P. MCCAIN, M.D.	Superintendent
C. D. THOMAS, M.D.	Assoc. Supt. and Assoc. Medical Director
F. T. HARPER, M.D.	Assistant Physician
H. E. WOOD, M.D.	Assistant Physician
C. L. GRAY, M.D.	Assistant Physician
LEOPOLD MARKS, M.D.	Asst. Physician, Negro Division
MARTHA C. NEWMAN, R.N.	Superintendent of Nurses
R. G. WHARTON, D.D.S.	Dentist
H. L. SATTERWHITE	Laboratory and X-ray Technician
F. L. EUBANKS	Purchasing Officer
C. C. MOSS	Cashier
MRS. C. W. COVINGTON	Secretary to Superintendent
MISS CARRIE TOOMER	Dietitian
J. L. BEALL	Farm Superintendent
R. S. PERRY	Chief Engineer
CARRIE BROADFOOT, R.N.	Superintendent of Nurses, Negro Division

EXTENSION DEPARTMENT OF THE NORTH CAROLINA
SANATORIUM FOR THE TREATMENT OF TUBERCULOSIS

P. P. MCCAIN, M.D.	Director
JOHN S. DENHOLM, M.D.	Clinic Physician
G. C. GODWIN, M.D.	Clinic Physician
R. T. JENKINS, M.D.	Clinic Physician
L. B. SKEEN, M.D.	Clinic Physician

WESTERN NORTH CAROLINA SANATORIUM

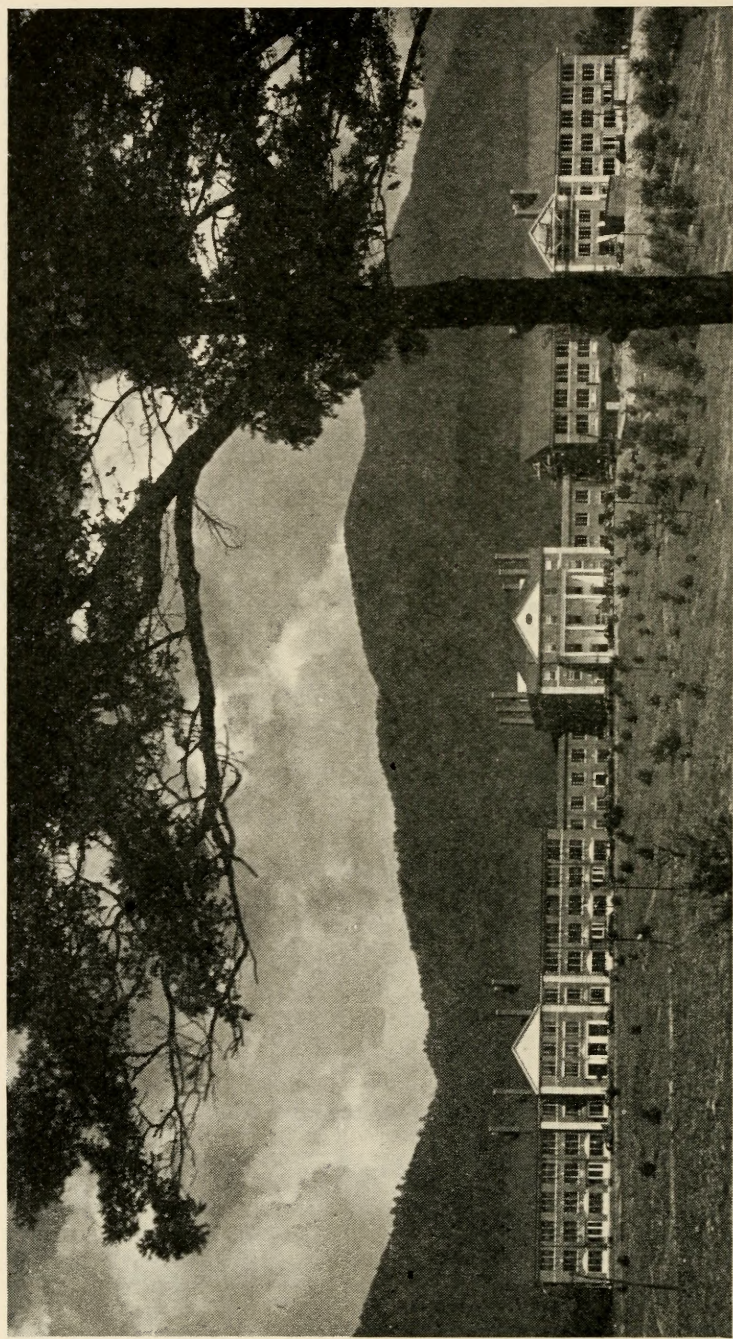
P. P. MCCAIN, M.D.	Superintendent
S. M. BITTINGER, M.D.	Associate Superintendent and Medical Director
A. L. ORMOND, M.D.	Resident Physician
W. T. SPENCE, M.D.	Assistant Physician
CREOLYA SNODGRASS, R.N.	Superintendent of Nurses
BERTHA JOHNSON, R.N.	Operating Room Supervisor
R. G. WHARTON, D.D.S.	Dentist
IRVIN PAGE	Laboratory and X-ray Technician
W. N. BANKS	Purchasing Officer
MISS VERNON JONES	Secretary to Medical Director
S. J. STUTTS	Chief Engineer

CONSULTING STAFF NORTH CAROLINA SANATORIUM

DR. DAVID T. SMITH, <i>Bacteriology and Internal Medicine</i> , Duke Hospital	Durham
DR. O. L. MILLER, <i>Orthopedic Surgery</i>	Charlotte
DR. J. D. HIGHSMITH, <i>Surgery</i>	Fayetteville
DR. C. R. MONROE, <i>Surgery</i>	Pinehurst
DR. DERYL HART, <i>Surgery</i> , Duke Hospital	Durham
DR. JAMES M. LILLY, <i>Eye, Ear, Nose and Throat</i>	Fayetteville
DR. W. P. MCKAY, <i>Eye, Ear, Nose and Throat</i>	Fayetteville
DR. JAMES B. BULLITT, <i>Pathology</i>	Chapel Hill
DR. WM. DEB. MACNIDER, <i>Pharmacology</i>	Chapel Hill
DR. V. K. HART, <i>Bronchoscopy and Laryngology</i>	Charlotte

CONSULTING STAFF WESTERN NORTH CAROLINA SANATORIUM

DR. JULIAN A. MOORE, <i>Thoracic Surgery</i>	Asheville
DR. F. WEBB GRIFFITH, <i>General Surgery</i>	Asheville
DR. JOHN T. SAUNDERS, <i>Orthopedic Surgery</i>	Asheville
DR. THOMAS R. HUFFINES, <i>Genito-urinary Surgery</i>	Asheville
DR. ARTHUR AMBLER, <i>Anesthesia</i>	Asheville
DR. JOSEPH T. GREENE, <i>Ear, Nose and Throat</i>	Asheville
DR. G. S. TENNANT, <i>Diseases of the Eye</i>	Asheville
DR. CURTIS CRUMP, <i>Pathology</i>	Asheville
DR. A. B. CRADDOCK, <i>Internal Medicine</i>	Asheville
DR. LEWIS BEALL, <i>Psychiatry</i>	Black Mountain
DR. CHARLES H. COCKE, <i>Diseases of the chest</i>	Asheville
DR. PAUL H. RINGER, <i>Diseases of the chest</i>	Asheville
DR. M. L. STEVENS, <i>Diseases of the chest</i>	Asheville
DR. C. C. ORR, <i>Diseases of the chest</i>	Asheville
DR. C. D. W. COLBY, <i>Diseases of the chest</i>	Asheville
DR. EDWARD W. SCHOENHEIT, <i>Diseases of the chest</i>	Asheville
DR. J. W. HUSTON, <i>Diseases of the chest</i>	Asheville
DR. WILSON PENDLETON, <i>Diseases of the chest</i>	Asheville
DR. I. J. ARCHER, <i>Diseases of the chest</i>	Black Mountain
DR. KARL SCHAFFLE, <i>Diseases of the chest</i>	Asheville



WESTERN NORTH CAROLINA SANATORIUM, BLACK MOUNTAIN, N. C.
Administration Building and left wing now occupied. Right wing will be ready for patients by January 1st, 1939.

LETTER OF TRANSMITTAL

To His Excellency

GOVERNOR CLYDE R. HOEY
Raleigh, North Carolina.

SIR:

I have the honor to transmit herewith the report of the Superintendent of the operations of the North Carolina Sanatorium and Western North Carolina Sanatorium for the Treatment of Tuberculosis for the biennium ended June 30, 1938, together with the report on the progress of the work providing additional facilities, both at Sanatorium and at Black Mountain. The report of the Superintendent is accepted as the report of the Board of Directors.

The prevention and cure of tuberculosis among our people cannot be too greatly emphasized. Two phases of this work are of especial importance; namely, early diagnosis of the disease and proper segregation of the patient. To this end it is our hope to extend further the work of examination of children and to encourage counties in the erection of segregation units. We are happy to note that the death rate from tuberculosis in North Carolina declined during the past year, but that in no way minimizes the overwhelming need for diagnosis and treatment of the disease among our people.

On behalf of the Board I desire to express to the Superintendent and his Staff at both institutions our appreciation of their very fine performance of the duties imposed upon them.

The members of the Board of Directors have been diligent in their service to the cause which they represent and I desire to express to them my very great appreciation of their interest in and attention to the work of the sanatoria.

Respectfully submitted,

L. L. GRAVELY,
Chairman Board of Directors.

REPORT OF THE SUPERINTENDENT

*The Board of Directors of the North Carolina Sanatorium
and of the Western North Carolina Sanatorium,*

MR. L. L. GRAVELY, *Chairman.*

GENTLEMEN:

It gives me pleasure to submit herewith the biennial report of the North Carolina Sanatorium for the period ending June 30th, 1938, and the report of the Western North Carolina Sanatorium from the date of opening November 7th, 1937 to June 30th, 1938.

THE WESTERN NORTH CAROLINA SANATORIUM

The opening of the new sanatorium marked a most important step in the tuberculosis control program of the State. At the dedication exercises held on November 10th there were present about 350 visitors from all sections of the State. Inspiring addresses were made by Governor Hoey and our chairman. The completed buildings consist of a three-story patients building to accommodate 164 beds, a large administration building and a power plant and laundry. The visitors were unanimous in their praise both of the buildings and of the beautiful location, surrounded on all sides, as it is, by as fine mountain scenery as can be found in eastern America. In appropriate ceremonies also Governor Hoey laid the corner stone.

Through the skillful and untiring efforts of our chairman the necessary funds were obtained by State appropriation of \$157,300.00 and by a PWA grant of \$128,700.00 for the building of another wing to accommodate 170 additional patients and for a nurses home. The nurses have been occupying a portion of the patients building, and the new nurses home will enable us to take 30 additional patients in the present wing. Such splendid progress is being made in the construction of this building that we are expecting it to be ready for the reception of patients by January 1st.

The State appropriation of \$6,891.00 for roads, walks and landscaping at the Western North Carolina Sanatorium was supplemented by a grant of \$13,354.00 from the WPA. The recent special session of the Legislature appropriated an additional \$8,000.00 for this project. We are hoping that we can receive

another WPA grant to supplement this amount and that the landscaping of the grounds can be completed.

NEED OF AN EASTERN NORTH CAROLINA SANATORIUM

The United States Public Health Service and the National Tuberculosis Association agree that for a tuberculosis control program for a given community to be effective provision should be made for two sanatorium beds for each death from tuberculosis. Even when all the units for which appropriations have been made at the Western North Carolina Sanatorium and at the North Carolina Sanatorium are completed there will be only 960 beds in our State sanatoria. At the present also there are 626 beds provided in 14 county sanatoria and custodial homes, which makes a total of only 1,586 beds; so that, even when the beds in small units for tuberculosis patients in connection with county homes are included, the State is far short of providing even one bed per death, since in 1937 there were 1,912 deaths from tuberculosis. It is exceedingly important also that beds for tuberculosis patients be provided near our centers of population. It is desirable for patients to be able to get treatment within a reasonable distance from their homes so that they can be visited by their relatives, and it is very important for a sanatorium to be close enough so that those who have been exposed to open cases of tuberculosis can go to the institution at frequent intervals for examination. It is only possible to cure tuberculosis if it is discovered in the reasonably early stages, and it is through the repeated examination of the apparently well contacts of active cases that the disease can be discovered early. Unless diagnostic facilities are close at hand the vast majority of Negro contacts and a large proportion of white contacts cannot afford to go for examination. We are greatly in hopes that within the near future we can secure an appropriation of \$750,000.00 for 300 patients to be located somewhere in eastern North Carolina.

ADDITIONAL COUNTY SANATORIA GREATLY NEEDED

The isolation of sputum positive cases is considered an essential in the control program of tuberculosis. North Carolina has assumed that the control of the disease is a joint responsibility between the State and the county. The State has undertaken the responsibility of providing beds for those cases who give some promise of responding favorably to treatment, and it is the re-

sponsibility of the counties to provide beds for those patients whose condition is less favorable. Only 14 of the 100 counties in the State have provided sanatoria or custodial homes for their tuberculosis patients. Every possible effort is being made to get the other counties to follow suit, and a number of other counties will probably establish sanatoria within the near future.

ADDITIONS AT NORTH CAROLINA SANATORIUM

During the biennium the surgical unit and clinic building at the white unit which provides 22 additional beds for surgical and isolation cases, and rooms for an out-patient clinic, and a new wing at our Negro unit for 65 additional patients were completed. Three residences for physicians were also built. All of these buildings were included under one contract which totaled \$178,532.25. At the recent special session of the Legislature an appropriation of \$110,000.00 was made for the erection and equipment of another wing at our Negro division which will provide 80 additional beds. This appropriation is conditioned on our being able to secure a grant from the PWA.

COLLAPSE THERAPY

The provision of well equipped surgical units at both the North Carolina Sanatorium and the Western N. C. Sanatorium has made it possible for us to have all of our chest surgery, as well as all other necessary surgical operations, done at the two institutions. Dr. Julian A. Moore of Asheville, who has a wide reputation as a chest surgeon, is the surgeon at our Western N. C. Sanatorium, and also does the bronchoscopic work. Dr. C. R. Monroe, who for many years has been head surgeon at the Moore County Hospital at Pinehurst, and who spent two summers in Chicago and Boston getting special training in chest surgery, is the surgeon at the N. C. Sanatorium. In addition to numerous lesser operations 29 thoracoplasties have been done at the Western N. C. Sanatorium and 18 at N. C. Sanatorium. Through these operations many patients will not only be rescued from being a source of danger to others and a life of chronic invalidism, but will also be restored to health and be able to make a living for themselves. We are also exceedingly fortunate in being able to secure the services of Dr. Arthur Ambler as anesthetist at the Western N. C. Sanatorium, and of Miss Jessie Currie, of the Moore County Hospital at Pinehurst, as anesthetist at the N. C.

Sanatorium. Both have specialized in anesthesia and have had wide experience in administering anesthesia in chest surgical cases before being employed by the two institutions. Dr. V. K. Hart of Charlotte, who is recognized as one of the most skillful bronchoscopists in the south, does the bronchoscopic and laryngological work at N. C. Sanatorium.

Approximately 80% of our adult patients are receiving some form of collapse therapy. The great majority are getting pneumothorax treatment, and approximately 10% are receiving bilateral pneumothorax. During the biennium we have also done 296 phrenic operations at N. C. Sanatorium and 46 during the eight months at the Western N. C. Sanatorium. Practically all of these were temporary phrenic crushings. We find that frequently the combination of pneumothorax and a phrenic crushing will close cavities and produce a satisfactory collapse when the pneumothorax alone was unsuccessful. During the biennium also we have done seven pneumolyses at the N. C. Sanatorium and one at Western N. C. Sanatorium.

At N. C. Sanatorium we are now averaging 1,141 pneumothorax treatments each month and 85 at Western N. C. Sanatorium. This number will be considerably more than doubled at the Western N. C. Sanatorium when the new wing is opened for patients. Chest surgery and the tremendous volume of other forms of collapse therapy increase very greatly the amount of work, both for the physicians and nurses, and it is going to be needful for us to have an additional physician at our white unit and also for our Negro unit at N. C. Sanatorium. When we open our new wing we will need one, and perhaps two, additional physicians at the Western N. C. Sanatorium, and it is also necessary for us to increase our nursing staff materially at each place.

Chest surgery and other forms of collapse therapy also increase very materially the cost of maintenance and will necessitate a considerably larger per capita appropriation during the next biennium. Such procedures, however, more than justify the additional cost for they not only greatly improve the patient's chances for recovery and for his sputum to become negative, but they also considerably shorten the time he needs to stay in the Sanatorium.

PNEUMOTHORAX BY PRIVATE PHYSICIANS

Over a period of several years we have been endeavoring to get leading physicians in the various counties in the State in-

terested in continuing the refills on our pneumothorax patients who are ready to return home. There are now more than 100 such physicians scattered over the whole State who have either had experience in pneumothorax treatment elsewhere, or who have come to the Sanatorium for training in pneumothorax technic. Practically all of this number have access to a fluoroscope and use it regularly.

THE INTERPRETATION OF X-RAY CHEST FILMS FOR PRIVATE PHYSICIANS

In recent years it has become more and more apparent that the X-ray is essential for the early diagnosis of tuberculosis, and a very large number of internists and many physicians in general practice throughout the State have secured X-ray machines. They are also learning the importance of giving the tuberculin test and of X-raying the positive reactors. We feel that one of the most fruitful services which sanatorium physicians can render is in the interpretation of chest films for any physician who wishes the service. This has become one of our most valuable means of discovering positive cases of tuberculosis, and with practically no cost to the Sanatorium. In 1936 films on 2,843 patients and in 1937 films on 4,945 patients were sent in for interpretation by private physicians. By seeing an X-ray of the patient's chest we can also advise the physician much more intelligently concerning the treatment needed while the patient is waiting for admission to the Sanatorium.

DIAGNOSTIC CLINICS

The last Legislature provided funds for an additional clinic physician for our extension department, but we were unable to secure one who was qualified until the first of last May when Dr. L. B. Skeen of our resident staff was transferred to our clinic service. This gives us four field clinicians. We also secured the funds for two additional portable fluoroscopes which are shock proof. There is such a demand for both adult and children's clinics that we are endeavoring to get the county health officers to give the tuberculin test to the school children so that our field clinicians can devote a larger proportion of their time to adult fluoroscopic clinics. We are more enthusiastic even than ever before about the value of the fluoroscope in diagnosis. With modern fluoroscopes we feel that practically all cases of even minimal tuberculous lesions can be discovered.

As will be seen from the statistical report 85,255 school children and teachers were given the tuberculin test during the biennium, and of this number 27,737 were tested by county health officers. We have been limiting the school clinics to the study of children ten years of age and over and to known contacts and suspects under this age. 20% of the total number gave positive reactions. X-ray films were made by the Sanatorium technicians on 16,890 of the positive reactors, and the films were interpreted by the physicians of the Sanatorium extension department staff. A total of 14,694 patients were examined in our adult field clinics and 8,184 outside patients were examined in our out-patient clinics at the two sanatoria.

MORTALITY RATE

In 1936 there was an increase in the tuberculosis mortality over the whole United States, which was generally thought to be due to the cumulative effects of the depression. Whether or not this is the correct explanation we cannot say. It is most gratifying, however, that in 1937 the mortality rate again assumed its downward trend, there being only 1912 tuberculosis deaths, or a death rate of 54.7 per 100,000, in North Carolina in 1937 as compared with 2119, or a death rate of 61.3 in 1936. The information to date for 1938 indicates that there may be a further slight reduction during the present year.

NURSES TRAINING SCHOOLS

Both our white nurses' training school under the direction of Miss Martha C. Newman, and our Negro nursing school under the direction of Mrs. Carrie Broadfoot, have continued to function with a great degree of satisfaction. Arrangements made some years ago whereby our white nurses take two years here at the N. C. Sanatorium and their third year at the Moore County Hospital at Pinehurst, and whereby our Negro nurses take their third year at the Lincoln Hospital at Durham, continue to be quite satisfactory both to us and the other hospitals. Our graduates are always in great demand, in fact so much so that we do not have a graduate either of our white or colored training schools who is unemployed. The Moore County Hospital has recently let the contract for a nurses home, the construction and equipment of which will cost \$65,000.00.

STAFF CHANGES

Since it was thought necessary by the Board to have one directing head of the two institutions Dr. P. P. McCain was made superintendent of both sanatoria. Dr. S. M. Bittinger, who had served faithfully and most efficiently for sixteen years on the staff of the North Carolina Sanatorium was elected associate superintendent and medical director of the Western N. C. Sanatorium. Dr. A. L. Ormond and Dr. R. T. Jenkins of the Sanatorium staff were also transferred to the staff of the Western N. C. Sanatorium. Miss Creolya Snodgrass and Miss Bertha Johnson of the North Carolina Sanatorium nursing staff were chosen respectively as superintendent of nurses and head operating room nurse at the new institution. Dr. C. D. Thomas, for several years a member of our clinic staff, was chosen as assistant superintendent and associate medical director of the North Carolina Sanatorium. Dr. H. L. Seay of our clinic staff was elected superintendent of the Mecklenburg Sanatorium. Dr. John S. Denholm, Dr. F. T. Harper, Dr. G. C. Godwin joined our clinic staff and later Dr. L. B. Skeen and Dr. R. T. Jenkins were transferred from the resident staff of N. C. Sanatorium and of Western N. C. Sanatorium to our clinic staff. Dr. H. E. Wood and Dr. C. L. Gray and Dr. Leopold Marks, colored, also joined our resident staff. Mr. Floyd Eubanks, purchasing officer for the N. C. Sanatorium, was made general purchasing officer also for the Western N. C. Sanatorium, and Mr. W. N. Banks was made resident purchasing officer for the new institution. We regretted very much to lose Dr. J. H. Williams who had been on our resident staff for several years and who resigned to become health officer of Sampson county.

DONATIONS

To the many friends who have rendered valuable services and who have made generous donations of various kinds to both of our institutions we are deeply grateful. We especially wish to record our indebtedness to Mr. W. N. Reynolds of Winston-Salem for his gift of \$5000.00 to the Western N. C. Sanatorium for the purchase of equipment for recreation, entertainment and instruction of the patients at this institution and to Mr. Joseph Calcutt of Fayetteville for his gift of twelve pin tables, which are arranged to operate without the use of coins and which furnish a great deal of pleasure to our patients at both institutions. A

list of the many other donations will be found in the body of the report.

I am greatly indebted to the members of the staffs of both institutions for their cooperation and their loyalty.

I wish especially to express my gratitude to all the members of our Board of Directors for your kind consideration and your hearty cooperation.

P. P. MCCAIN, *Superintendent,*

*N. C. Sanatorium and Western N. C. Sanatorium
and Director, Extension Department.*

WESTERN N. C. SANATORIUM

POPULATION MOVEMENT

1937-1938

	White Adults		
	Men	Women	Total
1. Patients in hospital at beginning of year.....	0	0	0
Admissions during year:			
2. New admissions.....	104	103	207
3. Readmissions.....	0	0	0
4. Total admissions.....	104	103	207
Separations during year:			
5. Apparently arrested.....	3	4	7
6. Quiescent.....	7	12	19
7. Improved.....	7	14	31
8. Unimproved.....	13	5	8
9. Died.....	5	0	5
10. Not classified.....	0		
11. Not tuberculous.....	5	6	11
12. Total separations.....	40	41	81
13. Patients in hospital at end of year.....	64	62	126
14. Average daily population.....			121
15. Normal capacity.....			132

SUMMARY OF EIGHT MONTHS' WORK

November 7, 1937—June 30, 1938

	1937-1938
Letters and postals received.....	3,870
Individual letters written.....	5,671
Articles written (approximate number words)—Press.....	3,000
Articles copied (approximate number of words).....	2,350
Patients' histories written.....	139
Approximate number of words in patients' histories.....	208,500
Envelopes addressed.....	6,220
Enclosures sent out.....	634
Literature sent to reported cases.....	269
Other literature sent out.....	237
Sputum cups distributed.....	2,550
Tuberculin sent physicians.....	270
X-Ray films sent in for interpretation.....	217
Report of phrenic operations.....	46
Report of pneumolyses.....	1
Report of thoracoplasties.....	29
Report of thoracoscopies.....	1
Report of appendectomies.....	4
Interruption of pregnancy.....	1
Fusion hip.....	1
Report of wrist stabilization.....	1
Report of tonsilectomies.....	1

REPORT OF DR. S. M. BITTINGER, M. D.

	1937-1938
Days out of office.....	11
Addresses delivered.....	5
Number in audience.....	555

REPORT OF TUBERCULOSIS CLINICS—X-RAY

	White	Colored	Total
Childhood type positive.....	43	8	51
Childhood type (suspicious).....	5	11	16
Adult type positive.....	3	0	3
Adult type (suspicious).....	0	2	2
Negative.....	64	36	100
Total.....	115	57	172

MEDICAL REPORT

November 1937—June 1938

STATISTICAL

	1937-1938	Total
Number of patients to be reported on (discharged).....	70	70
Number not classified.....	0	0
Number not tuberculous.....	11	11
Number of patients in Sanatorium July 1.....	126	126
Total number of patients treated.....	207	207
Hospital days.....	28,545	28,545

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1937-1938

CONDITION ON ADMISSION			CONDITION ON DISCHARGE				
			Apparently Arrested	Qui- cent	Im- proved	Un- improved	Died
Minimal	1	{ A 1 B 0 C 0	1				
Moderately advanced	9	{ A 5 B 4 C 0	1	3 2	1 1		
Far advanced	16	{ A 0 B 7 C 9			5 4	1 3	1 1
Total	26	26	2	6	11	5	2

Total number of days	868	Average stay	33.4	Shortest stay	2
Number gained weight	11	Number lost weight			5
Average gain	8.4	Average loss			3
Stationary	4	Not weighed			6

PATIENTS WHO STAYED NINETY DAYS OR OVER

1937-1938

CONDITION ON ADMISSION			CONDITION ON DISCHARGE				
			Apparently Arrested	Qui- cent	Im- proved	Un- improved	Died
Minimal	2	{ A 1 B 1 C 0	1 1				
Moderately advanced	14	{ A 4 B 10 C 0	1 1	2 5	1 4		
Far advanced	28	{ A 0 B 20 C 8	1	5 1	12 3		2 1
Total	44	44	5	13	20	3	3

Total number of days	6,560	Average stay	149	Longest stay	234
Number gained weight	29	Number lost weight			10
Average gain	8.55	Average loss			7
Stationary	3	Not weighed			2

HISTORY OF HEMORRHAGE

		1937-38
Negative	.....	40
Positive	{ Previous	20
	{ Previous and during residence	10
	{ During residence only	0

RESULT OF SPUTUM EXAMINATIONS

		1937-38
Negative or no sputum	.....	30
Positive	{ On admission	36
	{ During residence	35
	{ On discharge	24

SEX, AGE AND CIVIL CONDITION

SEX		AGE 1937-38						CIVIL CONDITION			
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Widowed	Divorced
Male	35										
Female	35										
Total	70	6	24	20	10	8	2	21	46	1	2

TUBERCULOUS COMPLICATIONS

Adenitis (cervical)	1	Hydro-pneumothorax	2
Anal fistula	2	Laryngitis	8
Enteritis	5	Meningitis	1
		Tuberculous hip	1

NON-TUBERCULOUS COMPLICATIONS

Appendicitis (gangrenous)	1	Erosion (cervix)	1
Abscess (wound)	1	Fracture (ankle)	1
Adenoma of thyroid	1	Hemorrhoids	2
Anemia (secondary)	3	Hydrocele	1
Ankylosis	1	Hypertension	2
Arteriosclerosis	2	Laceration of perineum	1
Blepharitis	2	Lipoma	1
Bronchiectasis	1	Menopause	1
Bursitis	1	Otitis media	1
Cariou teeth	24	Pharyngitis	1
Cataract (eye)	1	Phlebitis	1
Constipation	1	Polyp (nasal)	1
Cyst (ovarian)	1	Polyp (cervix)	1
Cyst (sebaceous)	1	Pyorrhea	10
Cystocle	3	Ringworm infection	1
Dermatitis	1	Rhinitis	4
Diabetis mellitus	1	Scoliosis	1
Diseased tonsils	6	Tapeworm infection	2
Eczema	1		

OCCUPATIONS

Accountant	1	Mill work	14
Barber	2	Nurse	1
Cafe Operator	1	Physician	2
Clerk	2	Printer	1
Detective	1	Salesman	1
Electrician	1	Stenographer	1
Farmer	6	Students	9
Housewives	21	Teacher	1
Laundry	1	Trainman	1
Machinist	2		

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

November 7, 1937—June 30, 1938

	Children 37-38	White 37-38	Colored 37-38	Total 37-38
November.....	7	30	0	37
December.....	13	65	0	78
January.....	13	71	16	100
February.....	16	73	5	94
March.....	14	110	0	124
April.....	28	89	2	119
May.....	21	119	1	141
June.....	17	129	2	148
Total.....	129	686	26	841

CLASSIFICATION

	Children 37-38	White 37-38	Colored 37-38	Total 37-38
Positive diagnosis.....	21	136	3	160
Negative diagnosis.....	103	396	22	521
Re-examinations.....	5	154	1	160
Total.....	129	686	26	841

SUMMARY OF MEDICAL REPORT

November 1, 1937—June 30, 1938

	1937—1938	Total
Patients admitted:		
Minimal.....	4	4
Moderately advanced.....	59	59
Far advanced.....	133	133
Childhood tuberculosis.....	1	1
Not tuberculous.....	9	9
Not classified.....	1	1
Total.....	207	207
Patients discharged:		
Apparently arrested.....	7	7
Quiescent.....	19	19
Improved.....	31	31
Unimproved.....	8	8
Died.....	5	5
Total.....	70	70

REPORT OF X-RAY LABORATORY

November 7, 1937-June 30, 1938.

	White	Colored	Total
Stereoroentgenograms of chest, Sanatorium patients.....	155	0	155
Stereoroentgenograms of chest, Sanatorium clinic patients.....	46	2	48
Double Roentgenograms of chest, Sanatorium patients.....	3	0	3
Double Roentgenograms of chest, Sanatorium clinic patients.....	4	0	4
Double Roentgenograms of chest, children's clinics.....	9	2	11
Single Roentgenograms of chest, Sanatorium patients.....	282	0	282
Single Roentgenograms of chest, Sanatorium clinic patients.....	186	17	203
Single Roentgenograms of chest, adult clinics.....	83	45	128
Single Roentgenograms of chest, children's clinics.....	24	0	24
Miscellaneous X-Rays.....	64	6	70
Total.....	856	72	928
Treatments.....	3	0	3

LABORATORY REPORT

	White	Colored	Total
Sputanalyses:			
Micro.....	1,001	0	1,001
Chem.....	0	0	0
Total.....	1,001	0	1,001
Urinalyses:			
Micro.....	376	0	376
Chem.....	524	0	524
Total.....	900	0	900
Blood:			
W. B. C.....	277	0	277
R. B. C.....	233	0	233
Hemoglobin.....	233	0	233
Color index.....	206	0	206
Differential count.....	269	0	269
Kline.....	44	0	44
Wassermann.....	237	0	237
Urea.....	3	0	3
Sedimentation.....	196	0	196
Sugar.....	2	0	2
Culture.....	97	0	97
Coagulation.....	2	0	2
Laughlen.....	29	0	29
Chlorides.....	1	0	1
Typing.....	35	0	35
Bleeding time.....	2	0	2
Vital capacity.....	47	0	47
Total.....	1,913	0	1,913

LABORATORY REPORT—Continued

	White	Colored	Total
Feces.....	38	0	38
Gastric.....	4	0	4
Phthalein.....	5	0	5
Pleural fluid.....	14	0	14
Basal metabolic.....	12	0	12
Bacteriological.....	117	0	117
Spinal fluid.....	6	0	6
Mosenthal.....	2	0	2
Autopsies.....	2	0	2
Total.....	200	0	200
Total examinations and tests.....			4,149

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Rutherfordton	1
Board of County Commissioners, Cleveland	2
Board of County Commissioners, Gaston	9
Board of County Commissioners, Henderson	2
Board of County Commissioners, Mitchell	1
Board of County Commissioners, Rutherford	5
Board of County Commissioners, Swain	1
Good Samaritan, Asheville	1
Printers' Club, Durham	1
Public Welfare, Asheville	3
Public Welfare, Graham	1
Public Welfare, Lenoir	4
Public Welfare, Lexington	1
Public Welfare, Marion	3
Public Welfare, Morganton	2
Public Welfare, Mt. Airy	5
Public Welfare, Newton	4
Public Welfare, Reidsville	3
Public Welfare, Salisbury	3
Public Welfare, Waynesville	2
Publix Bamford Theatre, Asheville	1
United Daughters of the Confederacy, Pittsboro	1
United Mutual Aid Assn., Spray	1
Y. M. C. A., Kannapolis	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Senator L. L. Gravely, Rocky Mount, N. C.
Mrs. R. E. Finch, Black Mountain, N. C.
Mrs. W. C. Honeycutt, Black Mountain, N. C.
Mrs. W. H. Powlas, Black Mountain, N. C.
Mrs. J. P. Ashley, Black Mountain, N. C.
Mrs. C. N. Sprinkle, Black Mountain, N. C.
Mrs. O. J. Haigler, Black Mountain, N. C.
Miss M. Upshaw, Black Mountain, N. C.
Mrs. Laura Vaughan, Swannanoa, N. C.
Mr. George Council, Asheville, N. C.
Mr. D. H. Ramsey, Asheville, N. C.
Veteran's Hospital, Oteen, N. C.
Ridge Crest Baptist Assembly, Ridgecrest, N. C.
Efird's Department Store, Asheville, N. C.
Presbyterian Church and Sunday School Extension, Richmond, Va.

Miscellaneous gifts:

Middlemont Gardens, Asheville, N. C.
Woman's Club, Black Mountain, N. C.
Black Mountain Hardware Co., Black Mountain, N. C.
Halsey & Griffith, Asheville, N. C.
Methodist, Baptist, Presbyterian, Episcopal and Lutheran Churches,
Black Mountain, N. C.
Jumper's Pharmacy, Black Mountain, N. C.
A & P Store, Black Mountain, N. C.
Swannanoa Presbyterian Circle, Womans Club, Swannanoa, N. C.
Mrs. M. L. Stevens, Asheville, N. C.
Mrs. Blanche Bowman, Taylorsville, N. C.
Messrs. W. H. Deitrick, Raleigh; Chas. W. Angle, Greensboro; L. L.
Gravely and Friends, Rocky Mount, N. C.
Plant, Flower and Fruit Guild, Asheville, N. C.
Cleveland County Womans Club, Shelby, N. C.

Flowers and bulbs:

Middlemont Gardens, Asheville, N. C.
Mrs. R. E. Finch, Black Mountain, N. C.

N. C. SANATORIUM

POPULATION MOVEMENT

1936-1937

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
Patients in hospital at beginning of year.....	470	100	165	265	20	22	42	57	62	119	44
Admissions During Year:											
New admissions.....	617	114	206	320	22	31	53	101	89	190	54
Readmissions.....	76	28	29	57	4	2	6	4	6	10	3
Total admissions.....	693	142	235	377	26	33	59	105	95	200	57
Separations during year:											
Apparently arrested.....	146	20	23	43	23	30	53	23	18	41	9
Quiescent.....	169	45	85	130	1	1	2	12	16	28	9
Improved.....	204	62	82	144				25	22	47	13
Unimproved.....	81	5	17	22				27	30	57	2
Died.....	49	5	6	11				12	8	20	18
Not tuberculous.....	40	4	11	15		2	2	7	5	12	11
Total separations.....	689	141	224	365	24	33	57	106	99	205	62
Patients in hospital at end of year.....	474	102	175	277	22	22	44	56	58	114	39
Average daily population.....	471										
Normal capacity.....	480										

*Includes Negro children as well as adults.

POPULATION MOVEMENT

1937-1938

	TOTAL	WHITE ADULTS			WHITE CHILDREN			*NEGROES			Prisoners
		Men	Women	Total	Boys	Girls	Total	Male	Female	Total	
Patients in hospital at beginning of year.....	474	102	175	277	22	22	44	56	58	114	39
Admissions during year:											
New admissions.....	654	161	169	330	28	17	45	113	121	234	45
Readmissions.....	75	26	30	56	1	3	4	3	7	10	5
Total admissions.....	729	187	199	386	29	20	49	116	128	244	50
Separations during year:											
Apparently arrested.....	100	10	17	27	25	22	47	7	10	17	9
Quiescent.....	80	17	34	51	2	4	6	7	12	19	4
Improved.....	305	90	139	229	1	---	1	30	32	62	13
Unimproved.....	77	22	18	40	---	---	---	15	17	32	5
Died.....	59	6	10	16	1	---	1	18	13	31	11
Not tuberculous.....	45	7	11	18	---	---	---	7	8	15	12
Not classified.....	1	1	---	1	---	---	---	---	---	---	---
Total separations.....	667	153	229	382	29	26	55	84	92	176	54
Patients in hospital at end of year.....	535	136	145	281	21	17	38	88	93	181	35
Average daily population.....	492										
Normal capacity.....	550										

*Includes Negro children as well as adults.

SUMMARY OF TWO YEARS' WORK

July 1, 1936—June 30, 1938

	1936—1937	1937—1938
Letters and postals received.....	19,748	19,508
Individual letters written.....	18,875	18,711
Mimeographed letters mailed.....	1,759	802
Mimeographed forms prepared.....	78	92
Number of copies mimeographed.....	41,631	42,487
Articles written (approx-no-words):		
Press.....	10,310	7,800
SANATORIUM SUN.....	196,400	193,810
	206,710	201,610
Copies SANATORIUM SUN mailed.....	34,200	34,300
Articles copied (approx-no-words).....	76,650	54,900
Patients histories written.....	602	695
Approximate number of words in patients histories.....	904,000	1,042,500
Envelopes addressed.....	26,506	24,923
Enclosures sent out.....	15,979	11,268
Literature sent out.....	21,336	14,371
Sputum cups distributed.....	153,700	176,000
Tuberculin sent physicians.....	12,333	18,182
X-ray films sent in for interpretation.....	2,843	4,708
Operations:		
Phrenic crushings.....	54	109
Evulsions.....	98	35
Thoracoplasty.....	0	18
Pneumolysis.....	0	7
Appendectomy.....	0	4
Major.....	0	2
Minor.....	0	9
Blood transfusions.....	0	25

REPORT OF P. P. McCIAN, M. D.

	1936—1937	1937—1938
Days out of office.....	35	39
Addresses delivered.....	12	24
Number in audience.....	2,275	4,145

REPORT OF FIELD ADULT TUBERCULOSIS CLINICS

			1936—1937	1937—1938	TOTAL
Number of addresses delivered.....			20	13	33
Total audience.....			2,267	26,688	28,955
	1936—1937	1937—1938			
New positive cases.....	260	406			
Previously diagnosed positive.....	546	593			
Probable.....	38	109			
Doubtful.....	69	65			
Negative.....	5,486	6,440			
			6,595	8,099	14,694
Number of white examinations.....	4,977	6,001			
Number of colored examinations.....	1,618	2,098			
			6,595	8,099	14,694

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department of the North Carolina Sanatorium, in Co-operation with Local Health and School Authorities, During School Sessions 1926-1938

RESULT OF TUBERCULIN TEST

(0.1 c.c 1:1000 dilution O.T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test....	279,125	66,137	921	346,183
Number positive reactors.....	43,845 (15.7%)	13,794 (20.8%)	284 (30.8%)	57,923 (16.7%)

RESULTS OF THE STUDY OF 49,810 POSITIVE TUBERCULIN REACTORS HAVING X-RAYS

Number of reactors having X-rays of chest.....			49,810
Number of reactors diagnosed as having tuberculosis.....		6,309	
White.....	4,530		
Colored.....	1,739		
Indian.....	40		
Childhood type (first infection).....	5,725		
Adult type (reinfection).....	385		
Childhood and adult type.....	156		
Extra-pulmonary.....	33		
Extra-pulmonary and adult type.....	6		
Extra-pulmonary and childhood type.....	3		
Miliary tuberculosis.....	1		
Number of reactors classified as suspicious.....		4,133	
Number of reactors classified as having no demonstrable tuberculosis.....		39,368	

REPORT OF SCHOOL TUBERCULOSIS CLINICS

Summary of Results of School Tuberculosis Clinics Conducted by the Extension Department
of the North Carolina Sanatorium, in Co-operation with Local Health and School
Authorities During School Sessions 1936-1937 and 1937-1938

RESULTS OF TUBERCULIN TEST

(0.1 cc. of 1:1000 dilution of O. T. intracutaneously)

	White	Colored	Indian	Total
Number given tuberculin test---	62,276	22,517	462	*85,255
Number positive reactors-----	11,978 (19.2%)	5,169 (22.9%)	169 (36.5%)	17,316 (20%)

*27,737 of these were given tuberculin test by local health officers, the X-rays and their interpretations were made by staff of Extension Department of North Carolina Sanatorium.

RESULT OF THE STUDY OF 16,890 REACTORS HAVING X-RAYS

PUPILS

RACE	Number having X-rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	%	Number	%	Number	%
White-----	9,403	1,251	13.3	524	5.6	7,628	81.1
Negro-----	4,699	580	12.3	243	5.1	3,876	82.5
Indian-----	147	8	5.4	5	3.4	134	91.1
Total-----	14,249	1,839	12.9	772	5.4	11,638	81.7

Childhood or primary type lesions-----	1,686
Adult or re-infection type lesions-----	121
Childhood and adult type lesions-----	31
Miliary tuberculosis-----	1
Total-----	1,839

TEACHERS AND OTHER ADULTS CONNECTED WITH THE SCHOOLS

Race	Number Having X-Rays	POSITIVE		SUSPICIOUS		NEGATIVE	
		Number	Percent	Number	Percent	Number	Percent
White.....	1,411	159	11.3	21	1.5	1,231	87.2
Negro.....	1,220	157	12.9	61	5.0	1,002	82.1
Indian.....	10	0		0		10	100
Total.....	2,641	316	12.0	82	3.1	2,243	84.9

Childhood or primary type lesions.....	255
Adult or re-infection type.....	58
Childhood and adult type lesions.....	3
Total.....	316

WHITE DIVISION

MEDICAL REPORT

July 1936—July 1938

Statistical

	1936—1937	1937—1938	TOTAL
Number of patients to be reported on (discharged).....	350	363	713
Number not classified.....	0	1	1
Number not tuberculous.....	15	18	33
Number of patients in Sanatorium July 1.....	277	281	558
Total number of patients treated.....	642	663	1,305
Hospital days.....	98,199	98,727	196,926

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1936-1936

CONDITION ON ADMISSION				CONDITION ON DISCHARGE											
1936-37				1937-38		Apparently Arrested		Quiescent		Improved		Unimproved		Died	
				1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
Minimal.....	{	A	27	A	13	26	4			1	8		1		
		B	0	B	4						4				
		C	0	C	0										
Moderately Advanced.....	{	A	12	A	15		2	9	1	3	9		3		
		B	16	B	28			1	4	14	19	1	5		
		C	0	C	0										
Far Advanced.....	{	A	0	A	2						2				
		B	26	B	24					22	13	3	10	1	1
		C	18	C	8					9	2	8	4	1	2
First Infection Tuberculosis.....	{	1			0			1							
Total.....	194	100		94		26	6	11	5	49	57	12	23	2	3
Total number of days.....				1936-37	1937-38	Average stay.....		1936-37		1937-38	Shortest stay.....		1936-37		1937-38
				4,655	4,502			46.55	47.9	4			4		
Number gained weight.....				1936-37		1937-38		Number lost weight.....		Average loss.....		1936-37		1937-38	
				62	52	19	12								
Average gain.....				7.42		7.20		Average loss.....		Not weighed		4.2		3.14	
Stationary.....				6		7						13		23	

PATIENTS WHO STAYED NINETY DAYS OR OVER
1936-1938

CONDITION ON ADMISSION			CONDITION ON DISCHARGE												
	1936-37			1937-38		Apparently Arrested		Quiescent		Improved		Unimproved		Died	
	A	B	C	A	B	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
Minimal	34	11 6 0	A 13 B 4 C 0	11 6	7 1		4 1		2 2						
Moderately advanced	202	38 60 0	A 27 B 77 C 0		4 7	35 41	7 17	3 19	16 50		1				2
Far advanced	283	3 106 26	A 4 B 108 C 36		2	1 38 4	2 12 3	2 56 15	2 79 21	5 5	10 6	7 2	5 6		
Total	519	250	269	17	21	119	46	95	172	10	17	9			13
Total number of days	1936-37	1937-38	Average stay		1936-37		1937-38		Longest stay		1936-37		1937-38		
	81,204	91,829			325		346				1,408		1,580		
Number gained weight			183	183	Number lost weight						1936-37		1937-38		
Average gain			13.23	14.3	Average loss						54		43		
Stationary			4	12	Not weighed						6.74		8.8		
											9		31		

	1936-37	1937-38
Negative.....	209	228
Previous.....	119	125
Positive.....	17	6
Previous and during residence.....	5	4
During residence only.....		

Negative or no sputum.....	160	180
On admission.....	157	166
Positive.....	146	128
On discharge.....	84	73

1936-1937

SEX	Total	AGE						CIVIL CONDITIONS			
		11-19	20-29	30-39	40-49	50-59	60-72	Single	Married	Wid- owed	Di- vorced
Male.....	137										
Female.....	213	36	138	107	46	20	3	128	199	20	3
Total.....	350										

[illegible]

TUBERCULOSIS COMPLICATIONS

Adenitis (axillary)	1	Laryngitis	66
Adenitis (cervical)	5	Orchitis	1
Adenitis (tracheobronchial)	14	Osteitis	1
Anal fistula	17	Peritonitis	3
Bronchial fistula	1	Pleural fistula	1
Empyema	3	Pleurisy with effusion	20
Enteritis	15	Pott's disease	3
Epididymitis	1	Pyo-pneumothorax	1
Hydro-pneumothorax	9		

NON-TUBERCULOSIS COMPLICATIONS

Acne	11	Hydrocele	1
Adenoma thyroid	1	Hypertension	12
Alveolar abscess	1	Ithyosis	1
Anemia (secondary)	26	Infantile uterus	3
Ankylosis	4	Ischio-rectal abscess	1
Arteriosclerosis	6	Keratitis	1
Arthritis	8	Kyphosis	2
Asthma (bronchial)	8	Laceration of cervix	9
Atrophy of testicles	5	Laceration of perineum	10
Blepharitis	3	Leucoderma	1
Blindness (bilateral)	1	Lipoma	1
Blindness (partial)	1	Lues	8
Bronchiectasis	3	Malaria	1
Carious teeth	125	Mastoid	1
Cataract	1	Mitral regurgitation	6
Chloasma	2	Myocarditis	1
Cholecystitis	3	Nephritis	3
Colitis	1	Otitis media	23
Cystitis	1	Ovarian cyst	1
Deafness (partial)	10	Paralysis (partial)	1
Diabetes mellitus	4	Parotitis	2
Diseased tonsils	56	Pelvic cellulitis	3
Dysmenorrhea	3	Pericarditis with effusion	1
Eczema	4	Peri-rectal abscess	1
Endocervicitis	2	Pharyngitis	6
Epididymitis	1	Phlebitis	1
Epilepsy	1	Prostatitis	2
Erosion of cervix	7	Psychoneurosis	2
Furunculosis	2	Psychosis	1
Ganglion (wrist)	1	Pterygium	1
Gingivitis	2	Ptosis (eye)	1
Goitre	4	Ptosis (kidney)	2
Gonorrhea	2	Pyelitis	2
Hemorrhoids	19	Pyorrhea	113
Hernia	4	Rectocele	1
Hookworm	15	Renal calculi	1

Retroversion of uterus	18	Strabismus	5
Rhinitis	45	Staphyloma	1
Ringworm	6	Tapeworm infection	2
Roundworm infection	3	Tumor (benign)	1
Rodent ulcer (face)	1	Undescended testicle	1
Scolosis	2	Urticaria	5
Sebaceous cyst	2	Varicocele	1
Silicosis	2	Varicose veins	2
Sinusitis	11		

OCCUPATIONS

Attendant	2	Lawyer	1
Barber	10	Lumberman	2
Beauty culture	2	Machinist	7
Blacksmith	1	Mail carrier	3
Bookkeeper	3	Mattress factory	1
Boxer	1	Merchant	3
Bus driver	1	Mill work	133
Butcher	1	Musician	2
Cafe operator	2	Nurses	18
Carpenter	2	Painter	4
Cashier	2	Physician	1
Chef	1	Policeman	1
Chemist	1	Postmaster	3
Clerical	5	Printer	2
Clerk	18	Salesman	13
Collector	1	Seamstress	4
Dietition	4	Shoe repair	2
Dry cleaner	3	Stenographer	10
Electrician	4	Stone cutter	5
Engineer	1	Students	71
Farmer	80	Teacher	16
Filling station operator	3	Technician	1
Fireman	3	Telephone operator	1
Fisherman	2	Tobacco buyer	2
Furniture factory	4	Tobacco factory	2
Grocery store manager	1	Trainman	1
Highway construction	4	Truck driver	4
Housewives	227	Waitress	1
Insurance	4	Watch maker	1
Laborer	1	W. P. A. worker	1
Laundry	3		

PATIENTS EXAMINED IN SANATORIUM CLINIC FOR DIAGNOSIS AND CONSULTATION

July 1, 1936-June 30, 1938

	CHILDREN				WHITE		COLORED		COLORED		PRISON		TOTAL	
	WHITE		COLORED		WHITE		COLORED		COLORED		PRISON		TOTAL	
	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38
July-----	55	59	10	30	238	243	51	40	10	10	364	382	364	382
August-----	57	54	7	3	277	312	31	30	4	11	376	410	376	410
September-----	69	52	8	5	349	234	23	37	8	8	457	336	457	336
October-----	54	38	6	9	231	201	20	25	7	2	318	275	318	275
November-----	16	19	9	2	159	138	19	14	8	3	211	176	211	176
December-----	37	22	6	1	201	119	26	58	10	5	280	205	280	205
January-----	51	25	10	12	226	126	74	18	9	7	370	188	370	188
February-----	36	22	3	18	173	162	37	28	6	2	255	232	255	232
March-----	33	50	8	21	210	178	28	28	10	5	289	282	289	282
April-----	41	51	7	7	246	195	43	18	9	6	346	277	346	277
May-----	72	39	15	8	270	181	39	17	16	6	412	251	412	251
June-----	50	29	17	2	313	180	25	17	9	9	414	237	414	237
Total-----	571	460	106	118	2,893	2,269	416	330	106	74	4,092	3,251	4,092	3,251

CLASSIFICATION

Positive diagnosis.....	42	32	17	19	302	259	115	82	49	38	525	430
Negative diagnosis.....	396	304	77	80	1,363	1,155	242	163	49	30	2,127	1,732
Re-examination.....	133	124	12	19	1,228	855	59	85	8	6	1,440	1,089
Total.....	571	460	106	118	2,893	2,269	416	330	106	74	4,092	3,251

SUMMARY OF MEDICAL REPORT

July 1, 1936-July 1, 1933

	1936-37	1937-38	Total
Patients admitted:			
Minimal.....	67	37	104
Moderately advanced.....	133	169	302
Far advanced.....	167	167	334
Childhood tuberculosis.....	4	1	5
Not tuberculous.....	6	11	17
Total.....	377	385	762
Patients discharged:			
Apparently arrested.....	43	27	70
Quiescent.....	130	51	181
Improved.....	144	229	373
Unimproved.....	22	40	62
Died.....	11	16	27
Total.....	350	363	713

REPORT OF X-RAY LABORATORY

July 1, 1936-June 30, 1938

	WHITE	COLORED	PRISON	TOTAL
Stereoroentgenograms of chest, Sanatorium patients.....	933	393	77	1,403
Stereoroentgenograms of chest, Sanatorium clinic patients.....	698	50	1	749
Stereoroentgenograms of chest, children's clinics.....	421	22	0	443
Double Roentgenograms of chest, Sanatorium patients.....	81	29	0	110
Double Roentgenograms of chest, Sanatorium clinic patients.....	479	96	0	575
Double Roentgenograms of chest, children's clinics.....	5,002	2,357	0	7,359
Single Roentgenograms of chest, Sanatorium patients.....	1,653	411	154	2,218
Single Roentgenograms of chest, Sanatorium clinic patients.....	1,820	254	20	2,094
Single Roentgenograms of chest, adult clinics.....	5,775	3,669	0	9,444
Miscellaneous X-rays.....	409	59	24	492
Total.....	17,271	7,340	276	24,887
X-ray treatments.....	77	18	6	101

LABORATORY REPORT

	WHITE	COLORED	PRISON	TOTAL
Sputanalyses:				
Micro.....	6,515	2,577	510	9,602
Chem.....	1,356	608	27	1,991
Total.....	7,871	3,185	537	11,593
Urinalyses:				
Micro.....	1,443	547	116	2,106
Chem.....	2,196	537	120	2,853
Total.....	3,639	1,084	236	4,959
Blood:				
W. B. C.....	1,167	490	109	1,766
R. B. C.....	1,132	479	103	1,714
Hemoglobin.....	1,104	477	103	1,684
Color index.....	1,096	475	103	1,674
Differential.....	1,156	491	107	1,754
Kahn.....	80	24	5	109
Wassermann.....	807	575	89	1,471
Malaria.....	32	5	2	39
Urea.....	13	0	0	13
Widal.....	10	0	0	10
Sugar.....	20	0	0	20
Sedimentation.....	310	0	0	310
Undulant fever.....	5	0	0	5
Coagulation.....	7	0	0	7
Bleeding time.....	2	0	0	2
Kline.....	121	61	17	199
Type.....	34	46	0	80
Culture.....	6	0	0	6
Laughlen.....	18	19	0	37
Cross match.....	17	5	0	22
Total.....	7,137	3,147	638	10,922
Feces.....	1,009	367	95	1,471
Phthalein.....	18	5	0	23
Gastric.....	28	1	0	29
Pleural fluid.....	129	70	14	213
B. M. R.....	50	2	0	52
Bacteriological.....	162	163	1	326
Spinal fluid.....	4	1	1	6
Vital capacity.....	5	8	0	13
Pleural fluid culture.....	3	0	0	3
Pandy's test.....	1	0	0	1
Vandenberg.....	1	0	0	1
Autopsy.....	2	4	4	10
Total.....	1,412	621	115	2,148
Milk: Bacterial count.....				28
Total examinations and tests.....				29,650

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

American Red Cross, Albemarle	1
Associated Charities, Winston-Salem	1
Board of County Commissioners, Beaufort	2
Board of County Commissioners, Bertie	1
Board of County Commissioners, Brunswick	1
Board of County Commissioners, Burke	14
Board of County Commissioners, Carteret	1
Board of County Commissioners, Cleveland	12
Board of County Commissioners, Columbus	1
Board of County Commissioners, Cumberland	1
Board of County Commissioners, Duplin	3
Board of County Commissioners, Franklin	2
Board of County Commissioners, Gaston	34
Board of County Commissioners, Greene	2
Board of County Commissioners, Halifax	9
Board of County Commissioners, Haywood	4
Board of County Commissioners, Hoke	1
Board of County Commissioners, Lee	1
Board of County Commissioners, Lenoir	2
Board of County Commissioners, Lincoln	1
Board of County Commissioners, McDowell	1
Board of County Commissioners, Northampton	2
Board of County Commissioners, Onslow	2
Board of County Commissioners, Orange	2
Board of County Commissioners, Pasquotank	6
Board of County Commissioners, Person	1
Board of County Commissioners, Rockingham	1
Board of County Commissioners, Rowan	12
Board of County Commissioners, Rutherford	7
Board of County Commissioners, Scotland	2
Board of County Commissioners, Stanly	12
Board of County Commissioners, Surry	19
Board of County Commissioners, Swain	1
Board of County Commissioners, Union	1
Board of County Commissioners, Warren	1
Bureau Social Service, Goldsboro	6
Children's Home, Winston-Salem	1
Community Chest Fund, Reidsville	1
Kiwanis Tuberculosis Clinic, Rocky Mount	1
Mills Home, Thomasville	1
Mission of the Good Samaritan, Asheville	1
Moore County Health and Welfare Association, Mrs. T. A. Cheatham, Secretary	3
Mutual Aid Association, Spray	6
Patterson Mill Company, Roanoke Rapids	1
Public Welfare, Albemarle	1
Public Welfare, Asheboro	5

Public Welfare, Asheville	2
Public Welfare, Boone	1
Public Welfare, Burlington	2
Public Welfare, Concord	1
Public Welfare, Danbury	1
Public Welfare, Durham	33
Public Welfare, Fayetteville	6
Public Welfare, Goldsboro	8
Public Welfare, Greensboro	1
Public Welfare, Greenville	5
Public Welfare, Jackson	4
Public Welfare, Kinston	2
Public Welfare, Lexington	16
Public Welfare, Lillington	8
Public Welfare, Lumberton	3
Public Welfare, Manteo	2
Public Welfare, Marion	3
Public Welfare, Mocksville	4
Public Welfare, Nashville	11
Public Welfare, New Bern	3
Public Welfare, Newton	13
Public Welfare, Raleigh	8
Public Welfare, Reidsville	6
Public Welfare, Rockingham	10
Public Welfare, Rutherfordton	9
Public Welfare, Statesville	1
Public Welfare, Tarboro	3
Public Welfare, Taylorsville	1
Public Welfare, Wadesboro	4
Public Welfare, Washington	2
Public Welfare, Whiteville	2
Public Welfare, Wilkesboro	1
Public Welfare, Williamston	2
Public Welfare, Wilmington	1
Public Welfare, Wilson	1
Public Welfare, Winton	1
Rowan Mills Benefit Association, Salisbury	1
Renfro Hosiery Mill, Mt. Airy	1
Tuberculosis Association, Concord	2
Tuberculosis Association, Wilson	11
Tuberculosis Seal Sale Committee, cooperating with Woman's Club, Raleigh	15
United Daughters of the Confederacy	2
Y. M. C. A., Kannapolis	1

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Books and Magazines:

Mrs. G. H. Anderson, Cincinnati, Ohio.
Mr. and Mrs. James Inglis, Ann Arbor, Michigan.
The Gospel Trumpet Company, Anderson, Indiana.
Miss Edith G. Moses, Bound Brook, New Jersey.
Dr. B. A. Hocutt, Clayton.
Mr. R. G. LeFourneau, Peoria, Illinois.
Mrs. J. L. Given, Pinehurst.
Mrs. J. P. Vaughan, Melrose Hds., Massachusetts.
Miss Anne Mebane, Chapel Hill.
Mr. R. W. Vigelina, Easton, Pennsylvania.
Mr. C. B. Ellis, Jr., Burlington.
Miss Clara Mae Gibson, Dundarrach.
Junior Chamber of Commerce, Southern Pines.

Cash Donation:

Mrs. Arthur H. London, Pittsboro.
Mr. Cecil Dew, Raeford.
Oettinger Family (memorial fund to Mr. Jonas Oettinger) Wilson.

Miscellaneous gifts:

Mrs. Harry T. Hicks, Raleigh.
Junior Red Cross, Charlotte.
Mrs. J. A. Bizzell, Kinston.
Miss Selma Johnson, Mooresville.
Mr. Joseph Calcutt, Fayetteville.
The Katie's Kid's Club, Mt. Gilead.
Seventh Grade, Clayton.

Flowers:

Mrs. Thomas E. Lynch, Hillsboro.
Mr. and Mrs. C. H. Ballentine, Varina.
Mrs. O. L. Cloud, Hamlet.

CHILDREN'S DIVISION

MEDICAL REPORT

Statistical

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged).....	55	55	110
Number not tuberculous.....	0	2	2
Number of patients in Sanatorium July 1.....	44	38	82
Total number of patients treated.....	99	95	194
Hospital days.....	15,192	13,982	29,174

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Adult type tuberculosis.....	16	10	26
	1936-37	1937-38	
Minimal.....	12	10	
Moderately advanced.....	4	0	
Far advanced.....	0	0	
Childhood type.....	41	37	78
Not tuberculous.....	2	2	4
Total.....	59	49	108
Patients discharged:			
Apparently healed.....	53	47	100
Apparently inactive.....	2	6	8
Improved.....	0	1	1
Died.....	0	1	1
Total.....	55	55	110

SEX AND AGE

	1936-37	1937-38	TOTAL
Sex:			
Male.....	24	29	53
Female.....	31	26	57
Total.....	55	55	110
3 to 9 years.....	25	26	51
10 to 17 years.....	30	29	59
Total.....	55	55	110

TUBERCULOUS COMPLICATIONS

Adenitis (tracheobronchial).....	10
----------------------------------	----

NON-TUBERCULOUS COMPLICATIONS

Bronchitis.....	2
Bronchopneumonia.....	1
Carious teeth.....	8
Cleft palate.....	1
Conjunctivitis.....	1
Deafness (partial).....	1
Diseased tonsils.....	37
Dwarf tapeworm.....	1
Goitre (adenomatous).....	1
Hookworm disease.....	4
Mitral regurgitation.....	1
Otitis media.....	3
Phimosis.....	2
Pneumonitis.....	2
Rheumatic heart disease.....	1
Rhinitis.....	1
Strabismus (internal).....	1

NEGRO DIVISION

MEDICAL REPORT

STATISTICAL

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged).....	193	161	354
Number not tuberculous.....	12	15	27
Number of patients in Sanatorium July 1.....	114	181	295
Total number of patients treated.....	319	357	676
Hospital days.....	43,518	52,314	95,832

PATIENTS WHO STAYED LESS THAN NINETY DAYS

1936-1938

CONDITION ON ADMISSION			1936-37		1937-38		CONDITION ON DISCHARGE							
			Apparently Arrested		Quiescent		Improved		Unimproved		Died			
			1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38	1936-37	1937-38		
Minimal.....	4	A	0	A	1									
		B	3	B	0	1								
		C	0	C	0		1							
Moderately advanced.....	20	A	1	A	2									
		B	10	B	7									
		C	0	C	0		1							
Far advanced.....	72	A	0	A	0									
		B	14	B	10									
		C	25	C	23									
First Infection Tuberculosis.....	14	6	8	5	3									
Extra-Pulmonary.....	1	0	1											
Total.....	111	59	52	7	3	2		16	16	25	14	9	19	
Total number of days.....			1936-37	1937-38	Average stay.....		1936-37	1937-38	Shortest stay.....		1936-37	1937-38		
			3,084	2,276			52.4	43.8			4	5		
Number gained weight.....					1936-37		1937-38				1936-37	1937-38		
					33		18		Number lost weight.....		21	13		
Average gain.....					9.7		6.24		Average loss.....		3.4	6.21		
Stationary.....					5		1		Not weighed.....		0	20		

PATIENTS WHO STAYED NINETY DAYS OR OVER

1936-1938

WESTERN N. C. SANATORIUM AND N. C. SANATORIUM

197

CONDITION ON ADMISSION			1936-37		1937-38		CONDITION ON DISCHARGE											
							Apparently Arrested		Quiescent		Improved		Unimproved		Died			
							1936-37		1937-38		1936-37		1937-38		1936-37		1937-38	
Minimal.....			A 7 B 1 C 0	5 1 0	2 1 —			2 — —	2 — —	2 — —	1 — —							
Moderately advanced.....			A 11 B 20 C 0	8 23 2	2 2 —	3 9 —	2 6 —	2 3 —	3 11 2	1 2 —	4 — —					1 — —		
Far advanced.....			A 0 B 51 C 29	0 46 11	— — —	7 2 —	9 11 —	15 10 —	21 3 —	18 11 —	10 2 —					7 4 —		
First infection Tuberculosis.....			15	12	7	4					1	5						
Extra-Pulmonary.....			1	0	1													
Total.....			134	109	34	14	26	19	31	46	32	18	11	12				
Total number of days.....			37,998	33,613	Average stay.....		1936-37		1937-38		Longest stay.....		841	1,162				
Number gained weight.....					1936-37		1937-38						1936-37		1937-38			
					102		82		Number lost weight.....				29		13			
Average gain.....					16.21		16.74		Average loss.....				9.87		9.88			
Stationary.....					2		1		Not weighed.....				1		13			

HISTORY OF HEMORRHAGE

	1936-37	1937-38
Negative.....	131	124
Previous.....	36	29
Positive.....	23	8
Previous and during residence.....	3	0
During residence only.....		

RESULT OF SPUTUM EXAMINATIONS

Negative or no sputum	78	74
On admission	111	86
Positive	78	59
On discharge	61	38

SEX, AGE AND CIVIL CONDITION

1936-1937

[illegible]

1937-1938

[illegible]

OCCUPATIONS

1936-1938

Butler	1	Mechanic	2
Cafe	2	Mill work	15
Chauffeur	2	Minister	1
Clerk	1	Minor	1
Construction	1	Nurse	2
Cook	11	Orderly	4
Dishwasher	1	Painter	1
Dry cleaner	2	Printer	1
Farmer	81	Sawmill	3
Fireman	2	Seamstress	1
Garage	1	Stone mill	1
Housework	63	Student	90
Insurance	2	Taxi	1
Janitor	2	Teacher	5
Knitting teacher	1	Truck driver	4
Laborer	33	Undertaker	2
Laundress	5	Valet	1
Maid	5	Waiter	3

TUBERCULOSIS COMPLICATIONS

Adenitis (cervical)	16	Lupus vulgaris	1
Adenitis (tracheobronchial)	14	Miliary tuberculosis	1
Anal fistula	6	Meningitis	1
Empyema	1	Perianal abscess	1
Enteritis	20	Peritonitis	2
Hydro-pneumothorax	5	Pleurisy with effusion	32
Ischio-rectal abscess	1	Sebaceous cyst	1
Keratitis	1	Spontaneous pneumothorax	1
Laryngitis	59		

NON-TUBERCULOSIS COMPLICATIONS

Anal fistula	5	Inguinal adenitis	1
Anemia (secondary)	14	Kyphosis (dorsal)	1
Arcus senilis	1	Laceration of cervix	7
Arteriosclerosis	8	Laceration of perineum	7
Aortitis	1	Laryngitis	1
Blepharitis	1	Leukorrhea	11
Blindness (partial)	1	Lipoma	1
Carious teeth	128	Malaria	1
Cervicitis	9	Mitral regurgitation	3
Conjunctivitis	1	Otitis media	14
Cystocele	18	Pharyngitis	1
Diseased tonsils	44	Pneumonitis	1
Eczema	2	Prolapse uterus	1
Endocarditis	1	Psychoneurosis	3
Endocervicitis	2	Pterygium	3
Epididymitis	1	Pyelitis	1
Epilepsy	1	Pyorrhea	92
Erosion of cervix	1	Rectocele	13
Furunculosis	1	Rhinitis	7
Gingivitis	1	Roundworm	1
Glossitis	4	Syphilis	23
Goitre	1	Tumor (ovarian)	2
Gonorrhea	2	Uterine fibroid	1
Hemorrhoids	24	Vaginal ulcer	1
Hernia	9	Varicose veins	1
Hookworm	4	Warts	1
Hypertension	5		

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Minimal.....	13	18	31
Moderately advanced.....	49	45	94
Far advanced.....	116	141	257
Extra-pulmonary.....	1	0	1
Childhood tuberculosis.....	15	24	39
Not tuberculous.....	6	14	20
Total.....	200	242	442
Patients discharged:			
Apparently arrested.....	41	17	58
Quiescent.....	28	19	47
Improved.....	47	62	109
Unimproved.....	57	32	89
Died.....	20	31	51
Total.....	193	161	354

ORGANIZATIONS SUPPORTING AND ASSISTING IN THE SUPPORT OF PATIENTS

Associated Charities, Raleigh	4
Associated Charities, Winston-Salem	16
Board of County Commissioners, Alexander	1
Board of County Commissioners, Bladen	1
Board of County Commissioners, Cleveland	3
Board of County Commissioners, Columbus	1
Board of County Commissioners, Cumberland	2
Board of County Commissioners, Currituck	3
Board of County Commissioners, Duplin	4
Board of County Commissioners, Franklin	8
Board of County Commissioners, Gaston	19
Board of County Commissioners, Gates	1
Board of County Commissioners, Greene	4
Board of County Commissioners, Halifax	4
Board of County Commissioners, Lee	2
Board of County Commissioners, Lenoir	1
Board of County Commissioners, Lincoln	1
Board of County Commissioners, Mecklenburg	1
Board of County Commissioners, Orange	3
Board of County Commissioners, Pasquotank	4
Board of County Commissioners, Rowan	2
Board of County Commissioners, Rutherford	1
Board of County Commissioners, Scotland	3
Board of County Commissioners, Stanly	1
Board of County Commissioners, Warren	1
Bureau of Social Service, Goldsboro	10
City Relief Commission, Winston-Salem	1
Kiwanis Tuberculosis Clinic, Rocky Mount	3
Moore County Health and Welfare Assn., Mrs. T. A. Cheatham, Secretary	19
N. C. Granite Corporation, Mt. Airy	1
Public Welfare, Bayboro	1
Public Welfare, Burlington	3
Public Welfare, Concord	1
Public Welfare, Durham	25
Public Welfare, Goldsboro	7
Public Welfare, Graham	1
Public Welfare, Greensboro	6
Public Welfare, Greenville	10
Public Welfare, Henderson	1
Public Welfare, Hookerton	1
Public Welfare, Jackson	2
Public Welfare, Jacksonville	1
Public Welfare, Lexington	4
Public Welfare, Lillington	3
Public Welfare, Lumberton	2
Public Welfare, Marion	1

Public Welfare, Mocksville	1
Public Welfare, Nashville	13
Public Welfare, New Bern	3
Public Welfare, Newton	2
Public Welfare, Oxford	2
Public Welfare, Raleigh	2
Public Welfare, Rockingham	10
Public Welfare, Rutherfordton	2
Public Welfare, Tarboro	2
Public Welfare, Trenton	1
Public Welfare, Wadesboro	8
Public Welfare, Warrenton	3
Public Welfare, Whiteville	1
Public Welfare, Windsor	1
Reidsville Community Chest, Reidsville	1
Tuberculosis Association, Chapel Hill	2
Tuberculosis Association, Concord	3
Tuberculosis Association, Wilson	11

PERSONS FROM WHOM DONATIONS WERE RECEIVED

Mrs. W. C. Fownes, Pinehurst.

Mr. Chopin, Myrtle Beach, S. C.

Mrs. T. A. Cheatham, Pinehurst.

Mrs. McNeil, Pine Bluff.

Mrs. Mary C. Holliday, Statesville.

Miss Mary McNeil, Wayne, Pennsylvania.

Southern Pines Library, Southern Pines.

Lend A Hand Book Mission, Boston, Massachusetts.

Mrs. Robert C. Dye, Fayetteville.

Iredell County School Teachers.

PRISON DIVISION

MEDICAL REPORT

1936-1938

	1936-37	1937-38	TOTAL
Number of patients to be reported on (discharged)	51	42	93
Number not tuberculous	11	12	23
Number of patients in Sanatorium July 1	39	35	74
Total number of patients treated	101	89	190
Hospital days	15,282	14,048	29,330

SUMMARY MEDICAL REPORT

	1936-37	1937-38	TOTAL
Patients admitted:			
Minimal	8	7	15
Moderately advanced	18	11	29
Far advanced	23	21	44
Childhood tuberculosis	0	2	2
Not tuberculous	8	7	15
Not classified	0	1	1
Total	57	49	106
Patients discharged:			
Apparently arrested	9	9	18
Quiescent	9	4	13
Improved	13	13	26
Unimproved	2	5	7
Died	18	11	29
Total	51	42	93

WESTERN NORTH CAROLINA SANATORIUM
Black Mountain, N. C.

AND THE
NORTH CAROLINA SANATORIUM
Sanatorium, N. C.

FINANCIAL REPORT

FOR THE TWO YEARS ENDED JUNE 30, 1938

WESTERN N. C. SANATORIUM

Revenues and Expenditures

PERMANENT IMPROVEMENT FUND*

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Balance Appropriation Account June 30, 1936	\$ 17,361.54	\$
Balance Allotment Account, June 30, 1936	175,138.85	.....
Transfer from 1936-37 Maintenance Fund	50,000.00	.....
Public Works Administration Grant	170,461.93	123,993.63
Appropriation—Chapter 296, P. L. 1937	29,391.00	.....
Balance Appropriation Account June 30, 1937		17,361.54
Balance Allotment Account June 30, 1937		56,268.85
Institutional Balance—State Treasurer June 30, 1937		6,248.57
Appropriation—Chapter 296 P. L. 1937		29,391.00
Asheville Chamber of Commerce		2,500.00
Black Mountain Chamber of Commerce		510.00
Transfer from Maintenance Fund		25,655.84
Appropriation—Buildings and Improvement Fund		137,500.00
	<u>\$ 442,353.32</u>	<u>\$ 399,429.43</u>
Expenditures:		
Land	\$ 2,617.03	\$
Buildings	289,635.67	217,151.51
Power and Heating Equipment	40,580.66	.....
Institutional Overdraft June 30, 1936	250.00	.....
General Equipment		48,437.37
Roads and Walks		6,845.82
Transfer to Year 1938-39		104,401.55
	<u>\$ 333,083.36</u>	<u>\$ 376,836.25</u>
Unexpended Balance—State Auditor's Records	\$ 109,269.96	\$ 22,593.18

*Consolidated with Buildings and Improvements Funds.

Revenues and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation.....	\$ 100,000.00	\$ 72,625.00
Institutional Balance June 30, 1936.....	82.47	
From Contingency and Emergency Fund.....		15,000.00
Institutional Receipts.....		59,847.85
	<u>\$ 100,082.47</u>	<u>\$ 147,472.85</u>
Expenditures:		
Administration.....	\$ 3,340.53	\$ 11,156.91
Transferred to 1937-38 Maintenance Fund.....	38,960.00	
Transferred to 1935 Permanent Improvement Fund.....	50,000.00	
Professional Care and Treatment.....		18,999.29
Custodial care.....		34,942.89
Operation of plant.....		7,757.43
Agriculture.....		18.00
Additions and betterments.....		67,506.95
Maintenance of plant.....		6,448.82
	<u>\$ 92,300.53</u>	<u>\$ 146,830.29</u>
Unexpended balance—records State Auditor.....	\$ 7,781.94	\$ 642.56

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Administration.....	Not Operating	\$ 92.21
Professional care and treatment.....		157.02
Custodial care.....		288.78
Maintenance of plant.....		53.30
Agriculture.....		.15
Additions and betterments.....		557.91
Operation of plant.....		64.11
		<u>\$ 1,213.48</u>
Average Number Patients.....		121

N. C. SANATORIUM

Revenue and Expenditures
PERMANENT IMPROVEMENT FUNDS*

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Unexpended balance June 30, 1936.....	\$ 13,870.80	\$
Fire loss farm cottage.....	493.89	.....
Appropriation (Chapter 296 Public Laws 1937).....	20,000.00	.....
Appropriation—Improvements and Additions Fund.....	95,150.00	.....
Transfer from 1936-37 Maintenance.....	5,532.25	.....
Public Works Administration Grant.....	43,250.00	34,600.00
Unexpended Balance June 30, 1937.....	.....	12,235.63
Appropriation (Chapter 296 P. L. 1937).....	.....	20,000.00
Balance—Improvements and Additions Fund		
Transferred from year 1936-37.....	.....	50,867.75
	\$ 178,296.94	\$ 117,703.38
Expenditures:		
Maid's Cottage.....	\$ 623.43	\$
Deep Well.....	1,505.63	.....
Buildings, Additions and Improvements.....	93,064.50	.....
Pump House.....	.....	596.43
Deep Well.....	.....	2,687.74
Buildings, Additions, Equipment and Improvements.....	.....	105,004.28
	\$ 95,193.56	\$ 108,288.45
Unexpended Balance—State Auditor's Records.....	\$ 83,103.38	\$ 9,414.93

*Consolidated with Buildings and Improvements Funds.

Revenue and Expenditures
EXTENSION FUND

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation.....	\$ 18,650.00	\$ 25,596.00
Institutional receipts.....	72.00	68.00
	\$ 18,722.00	\$ 25,664.00
Expenditures:		
Salaries and Wages.....	\$ 10,227.00	\$ 12,952.99
Supplies and materials.....	490.85	546.71
Postage, telephone and telegraph.....	686.30	956.54
Travel expense.....	3,023.71	3,230.66
Printing and bonding.....	1,175.10	1,401.44
Equipment.....	968.68	2,990.59
	\$ 16,571.64	\$ 22,078.93
Unexpended Balance—Records State Auditor.....	\$ 2,150.36	\$ 3,585.07

Revenue and Expenditures

MAINTENANCE FUND

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Revenue:		
Appropriation.....	\$ 173,520.00	\$ 213,606.00
Transfer from 1935-36 Maintenance Fund.....	17,883.00	27,676.00
Institutional receipts.....	89,100.82	94,691.48
	<u>\$ 280,503.82</u>	<u>\$ 335,973.48</u>
Expenditures:		
Administration.....	\$ 11,006.96	\$ 12,766.83
Professional care.....	40,569.23	52,314.87
Custodial care.....	122,060.43	130,163.99
Operation of plant.....	23,472.42	25,924.82
Maintenance of plant.....	13,732.58	27,731.21
Agriculture.....	33,912.76	37,486.53
Additions and betterments.....	1,125.00	29,992.56
Transfer to 1937-38 Maintenance Fund.....	27,676.00	-----
Transfer to 1937-38 Improvements and Additions.....	5,532.25	-----
	<u>\$ 279,087.63</u>	<u>\$ 316,380.81</u>
Unexpended Balance—Records State Auditor.....	\$ 1,416.19	\$ 19,592.67

AVERAGE POPULATION AND MAINTENANCE PER CAPITA COST

For the Two Years Ended June 30, 1937 and 1938

	Fiscal Year 1936-37	Fiscal Year 1937-38
Administration.....	\$ 23.38	\$ 25.95
Professional care and treatment.....	86.17	106.33
Custodial care.....	259.28	264.56
Operation of plant.....	49.86	52.69
Agriculture.....	72.04	56.37
Maintenance of plant.....	29.17	76.19
Additions and betterments.....	2.39	60.96
Totals.....	<u>\$ 522.29</u>	<u>\$ 643.05</u>
From Appropriation.....	\$ 333.03	\$ 394.34
From Institutional Receipts.....	189.26	248.71
	<u>\$ 522.29</u>	<u>\$ 643.05</u>
Average Number Patients.....	471	492

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